

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|-------|--|------------------------------|------------------|---------|------------------|
| S1 | 11226 | optic\$3 and semiconductor and substrate and method and etch\$3 and reflection | USPAT | OR | ON | 2005/11/18 09:32 |
| S2 | 12170 | optic\$3 and semiconductor and substrate and method and etch\$3 and reflect\$3 and @pd<"20030306" | USPAT | OR | ON | 2005/11/07 10:29 |
| S3 | 2536 | S2 and column\$3 | USPAT | OR | ON | 2005/11/07 10:30 |
| S4 | 1627 | S3 and array | USPAT | OR | ON | 2005/11/07 10:35 |
| S5 | 1110 | S4 and ratio | USPAT | OR | ON | 2005/11/07 10:30 |
| S6 | 274 | S5 and (silicon adj oxide) | USPAT | OR | ON | 2005/11/07 10:31 |
| S7 | 170 | S3 and (lens adj array) | USPAT | OR | ON | 2005/11/07 11:25 |
| S8 | 247 | S6 not S7 | USPAT | OR | ON | 2005/11/07 11:44 |
| S9 | 417 | S8 or S7 | USPAT | OR | ON | 2005/11/07 11:44 |
| S10 | 21 | (US-6522794-\$ or US-6495813-\$ or US-6475836-\$ or US-RE37809-\$ or US-6197503-\$ or US-6171885-\$ or US-6157429-\$ or US-6124974-\$ or US-6072620-\$ or US-5737300-\$ or US-5654831-\$ or US-5652817-\$ or US-6518640-\$ or US-6516114-\$ or US-6426166-\$ or US-6322936-\$ or US-6177236-\$ or US-5622634-\$ or US-5587335-\$ or US-5449626-\$ or US-4897846-\$).did. | USPAT | OR | OFF | 2005/11/07 15:18 |
| S11 | 0 | S10 and chevron | USPAT | OR | OFF | 2005/11/07 12:02 |
| S12 | 30 | S2 and chevron | USPAT | OR | OFF | 2005/11/07 12:02 |
| S13 | 447 | S9 or S12 | USPAT | OR | OFF | 2005/11/07 15:19 |
| S14 | 11 | (semiconductor or chip)and trench adj (silicon with oxide) | USPAT | OR | ON | 2005/11/07 15:22 |
| S15 | 47 | (semiconductor or chip)and trench near (silicon with oxide) | USPAT | OR | ON | 2005/11/07 15:23 |
| S16 | 0 | S15 and optic | USPAT | OR | ON | 2005/11/07 15:23 |
| S17 | 6 | S15 and optical | USPAT | OR | ON | 2005/11/07 15:23 |
| S18 | 1 | ("6733955").PN. | USPAT; USOCR | OR | OFF | 2005/11/08 08:03 |
| S19 | 12 | ("5399389" "5665635" "5786262" "5851927" "5930644" "6030900" "6287990" "6372606").PN. OR ("6733955").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/11/08 08:06 |
| S20 | 0 | ((micro near lens) near array) and (chip or semiconductor)and (optic or optical) and (trenches near oxidiz\$3) | US-PGPUB; USPAT; USOCR | OR | ON | 2005/11/08 08:09 |

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|-----|------|---|------------------------|----|-----|------------------|
| S21 | 1 | ((micro near lens) near array) and (chip or semiconductor)and (optic or optical) and (trenches same oxidiz\$3) | US-PGPUB; USPAT; USOCR | OR | ON | 2005/11/08 08:14 |
| S22 | 1 | ((micro near lens) near array) and (chip or semiconductor)and (optic or optical) and (trenches same anneal\$3) | US-PGPUB; USPAT; USOCR | OR | ON | 2005/11/08 08:34 |
| S23 | 1 | ((micro near lens) near array) and (chip or semiconductor)and (trenches same anneal\$3) | US-PGPUB; USPAT; USOCR | OR | ON | 2005/11/08 08:34 |
| S24 | 2792 | ((359/642,641,719,710,619,620) or (216/24)).CCLS. | USPAT; USOCR | OR | OFF | 2005/11/15 10:40 |
| S25 | 584 | S24 and etch\$3 and @pd<"20030306" | USPAT | OR | OFF | 2005/11/15 14:59 |
| S26 | 2792 | ((359/642,641,719,710,619,620) or (216/24)).CCLS. | USPAT; USOCR | OR | OFF | 2005/11/15 16:10 |
| S27 | 584 | S26 and etch\$3 and @pd<"20030306" | USPAT | OR | OFF | 2005/11/15 14:59 |
| S28 | 53 | S27 and ((anneal\$4 or oxidiz\$3)same substrate) | USPAT | OR | OFF | 2005/11/15 15:49 |
| S29 | 1 | S26 and PLZT and Sol-gel | USPAT | OR | OFF | 2005/11/15 16:11 |
| S30 | 0 | S26 and ("Blum et al.") | USPAT | OR | OFF | 2005/11/15 16:11 |
| S31 | 41 | (US-4897846-\$ or US-5449626-\$ or US-5587335-\$ or US-5622634-\$ or US-5652817-\$ or US-5654831-\$ or US-5737300-\$ or US-6072620-\$ or US-6124974-\$ or US-6157429-\$ or US-6171885-\$ or US-6177236-\$ or US-6197503-\$ or US-6322936-\$ or US-6426166-\$ or US-6472324-\$ or US-6475836-\$ or US-6495813-\$ or US-6516114-\$ or US-6518640-\$ or US-6522794-\$ or US-6733955-\$ or US-RE37809-\$ or US-6517734-\$ or US-6482722-\$ or US-6469832-\$). did. or (US-6403393-\$ or US-6387284-\$ or US-6063299-\$ or US-5925262-\$ or US-5871653-\$ or US-5814237-\$ or US-5632908-\$ or US-5626772-\$ or US-5569355-\$ or US-5500916-\$ or US-5238877-\$ or US-5125946-\$ or US-5431775-\$ or US-5205904-\$ or US-4585299-\$). did. | USPAT | OR | OFF | 2005/11/15 16:49 |
| S32 | 30 | S31 and ratio | USPAT | OR | OFF | 2005/11/15 16:57 |
| S33 | 0 | S31 and (ratio near oxidiz\$3) | USPAT | OR | OFF | 2005/11/15 17:09 |
| S34 | 18 | S31 and matrix | USPAT | OR | OFF | 2005/11/15 17:20 |
| S35 | 1 | S31 and (bottom adj wall) | USPAT | OR | OFF | 2005/11/16 10:38 |

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|-----|-------|--|-----------------|----|-----|------------------|
| S36 | 2 | ("0000385").PN. | USPAT; USOCR | OR | OFF | 2005/11/16 10:38 |
| S37 | 1984 | (385/?).CCLS. | USPAT; USOCR | OR | OFF | 2005/11/16 10:38 |
| S38 | 4 | S37 and ((silicon adj dioxide) same oxidiz\$3) | USPAT | OR | OFF | 2005/11/16 10:41 |
| S39 | 4 | S37 and ((silicon adj dioxide) same oxidiz\$4) | USPAT | OR | OFF | 2005/11/16 10:41 |
| S40 | 0 | S37 and ((silicon adj dioxide) near oxidiz\$4) | USPAT | OR | OFF | 2005/11/16 10:41 |
| S41 | 210 | S37 and (silicon adj dioxide) | USPAT | OR | OFF | 2005/11/16 10:41 |
| S42 | 13 | S41 and oxidiz\$3 | USPAT | OR | OFF | 2005/11/16 10:48 |
| S43 | 3269 | (385/33,37).CCLS. | USPAT; USOCR | OR | OFF | 2005/11/16 10:53 |
| S45 | 1 | S43 and (silicon adj dioxide) and trench and oxidiz\$3 | USPAT | OR | OFF | 2005/11/16 10:50 |
| S46 | 1 | S43 and trench and oxidiz\$3 | USPAT | OR | OFF | 2005/11/16 10:50 |
| S47 | 43 | S43 and trench | USPAT | OR | OFF | 2005/11/16 10:50 |
| S48 | 5781 | (385/33,34,35,36,37,129,130,131,132).CCLS. | USPAT; USOCR | OR | OFF | 2005/11/16 10:55 |
| S49 | 165 | S48 and trench | USPAT | OR | OFF | 2005/11/16 10:55 |
| S50 | 13 | S49 and oxidiz\$3 | USPAT | OR | OFF | 2005/11/16 10:55 |
| S51 | 34 | S49 and (oxidiz\$3 or anneal\$3) | USPAT | OR | OFF | 2005/11/16 11:13 |
| S52 | 2 | ("0000385").PN. | USPAT; USOCR | OR | OFF | 2005/11/16 11:13 |
| S53 | 27594 | ("385").CLAS. | USPAT; USOCR | OR | OFF | 2005/11/16 16:30 |
| S54 | 534 | S53 and trench | USPAT | OR | OFF | 2005/11/16 11:13 |
| S55 | 75 | S54 and (anneal\$3 or oxidiz\$4) | USPAT | OR | OFF | 2005/11/16 11:26 |
| S56 | 0 | ("20030053733").PN. | USPAT; USOCR | OR | OFF | 2005/11/16 11:27 |
| S57 | 0 | (2003/0053733).CCLS. | USPAT; USOCR | OR | OFF | 2005/11/16 11:29 |
| S58 | 1 | ("6748138").PN. | USPAT; USOCR | OR | OFF | 2005/11/16 11:29 |

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|-----|-------|---|------------------------|----|-----|------------------|
| S59 | 32 | ("4474427" "4725110" "4740951" "4807950" "4852960" "5029981" "5042897" "5048913" "5061032" "5104209" "5216739" "5367588" "5388173" "5495548" "5500916" "5652818" "5726805" "5822479" "5898804" "6023354" "6031951" "6035089" "6084998" "6101302" "6169831" "6459533" "6490393" "6522795").PN. OR ("6748138"). URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/11/16 11:29 |
| S60 | 27594 | ("385").CLAS. | USPAT; USOCR | OR | OFF | 2005/11/17 12:41 |
| S61 | 0 | S60 and "0.55:0.45" | USPAT | OR | OFF | 2005/11/16 16:30 |
| S62 | 27594 | ("385").CLAS. | USPAT; USOCR | OR | OFF | 2005/11/17 12:41 |
| S63 | 1626 | S62 and (contain\$3 near optic\$3) | USPAT | OR | OFF | 2005/11/17 12:46 |
| S64 | 27 | S63 and trench | USPAT | OR | OFF | 2005/11/17 12:42 |
| S65 | 189 | S62 and (concave adj lens) | USPAT | OR | OFF | 2005/11/17 12:47 |
| S66 | 2 | S62 and (concave adj lens)and trench | USPAT | OR | OFF | 2005/11/17 12:52 |
| S67 | 6 | S62 and (convex adj lens)and trench | USPAT | OR | OFF | 2005/11/17 12:56 |
| S68 | 0 | S62 and (biconvex adj lens)and trench | USPAT | OR | OFF | 2005/11/17 12:56 |
| S69 | 0 | S62 and (meniscus adj lens)and trench | USPAT | OR | OFF | 2005/11/17 13:25 |
| S70 | 646 | S62 and optic\$4 and trench\$2 | USPAT | OR | OFF | 2005/11/17 13:26 |
| S71 | 2792 | ((359/642,641,719,710,619,620) or (216/24)).CCLS. | USPAT; USOCR | OR | OFF | 2005/11/17 13:26 |
| S72 | 584 | S71 and etch\$3 and @pd<"20030306" | USPAT | OR | OFF | 2005/11/17 13:26 |
| S73 | 641 | S70 not S72 | USPAT | OR | OFF | 2005/11/17 13:27 |
| S74 | 18 | S73 and (out\$4 adj trench) | USPAT | OR | OFF | 2005/11/17 13:28 |
| S75 | 44326 | ("65").CLAS. | USPAT; USOCR | OR | OFF | 2005/11/18 09:32 |
| S76 | 1972 | S75 and substrate | USPAT | OR | OFF | 2005/11/18 09:33 |
| S77 | 1805 | S76 and @pd <"20040120" | USPAT | OR | OFF | 2005/11/18 09:33 |
| S78 | 4 | S77 and trench | USPAT | OR | OFF | 2005/11/18 09:38 |
| S79 | 25715 | substrate and trench | USPAT | OR | OFF | 2005/11/18 09:38 |
| S80 | 15996 | S79 and @pd<"20030306" | USPAT | OR | OFF | 2005/11/18 09:38 |
| S81 | 14516 | S80 and silicon | USPAT | OR | OFF | 2005/11/18 09:39 |
| S82 | 3982 | S81 and light | USPAT | OR | OFF | 2005/11/18 09:39 |

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|------|-------|---|-----------------|----|-----|------------------|
| S83 | 1994 | S82 and (oxidiz\$3 or anneal\$4) | USPAT | OR | OFF | 2005/11/18 09:42 |
| S84 | 2792 | ((359/642,641,719,710,619,620) or (216/24)).CCLS. | USPAT; USOCR | OR | OFF | 2005/11/18 09:42 |
| S85 | 584 | S84 and etch\$3 and @pd<"20030306" | USPAT | OR | OFF | 2005/11/18 09:42 |
| S86 | 53 | S85 and ((anneal\$4 or oxidiz\$3)same substrate) | USPAT | OR | OFF | 2005/11/18 09:42 |
| S87 | 1 | S84 and PLZT and Sol-gel | USPAT | OR | OFF | 2005/11/18 09:42 |
| S88 | 0 | S84 and ("Blum et al.") | USPAT | OR | OFF | 2005/11/18 09:42 |
| S89 | 41 | (US-4897846-\$ or US-5449626-\$ or US-5587335-\$ or US-5622634-\$ or US-5652817-\$ or US-5654831-\$ or US-5737300-\$ or US-6072620-\$ or US-6124974-\$ or US-6157429-\$ or US-6171885-\$ or US-6177236-\$ or US-6197503-\$ or US-6322936-\$ or US-6426166-\$ or US-6472324-\$ or US-6475836-\$ or US-6495813-\$ or US-6516114-\$ or US-6518640-\$ or US-6522794-\$ or US-6733955-\$ or US-RE37809-\$ or US-6517734-\$ or US-6482722-\$ or US-6469832-\$). did. or (US-6403393-\$ or US-6387284-\$ or US-6063299-\$ or US-5925262-\$ or US-5871653-\$ or US-5814237-\$ or US-5632908-\$ or US-5626772-\$ or US-5569355-\$ or US-5500916-\$ or US-5238877-\$ or US-5125946-\$ or US-5431775-\$ or US-5205904-\$ or US-4585299-\$). did. | USPAT | OR | OFF | 2005/11/18 09:42 |
| S90 | 1984 | (385/?).CCLS. | USPAT; USOCR | OR | OFF | 2005/11/18 09:42 |
| S91 | 4 | S90 and ((silicon adj dioxide) same oxidiz\$3) | USPAT | OR | OFF | 2005/11/18 09:42 |
| S92 | 210 | S90 and (silicon adj dioxide) | USPAT | OR | OFF | 2005/11/18 09:42 |
| S93 | 13 | S92 and oxidiz\$3 | USPAT | OR | OFF | 2005/11/18 09:42 |
| S94 | 3269 | (385/33,37).CCLS. | USPAT; USOCR | OR | OFF | 2005/11/18 09:42 |
| S95 | 43 | S94 and trench | USPAT | OR | OFF | 2005/11/18 09:42 |
| S96 | 5781 | (385/33,34,35,36,37,129,130,131,132).CCLS. | USPAT; USOCR | OR | OFF | 2005/11/18 09:42 |
| S97 | 165 | S96 and trench | USPAT | OR | OFF | 2005/11/18 09:42 |
| S98 | 34 | S97 and (oxidiz\$3 or anneal\$3) | USPAT | OR | OFF | 2005/11/18 09:42 |
| S99 | 27594 | ("385").CLAS. | USPAT; USOCR | OR | OFF | 2005/11/18 09:42 |
| S100 | 2 | S99 and (concave adj lens)and trench | USPAT | OR | OFF | 2005/11/18 09:42 |

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| S10 1 | 646 | S99 and optic\$4 and trench\$2 | USPAT | OR | OFF | 2005/11/18 09:42 |
| S10 2 | 2792 | ((359/642,641,719,710,619,620) or (216/24)).CCLS. | USPAT; USOCR | OR | OFF | 2005/11/18 09:42 |
| S10 3 | 584 | S102 and etch\$3 and @pd<"20030306" | USPAT | OR | OFF | 2005/11/18 09:42 |
| S10 4 | 641 | S101 not S103 | USPAT | OR | OFF | 2005/11/18 09:42 |
| S10 5 | 18 | S104 and (out\$4 adj trench) | USPAT | OR | OFF | 2005/11/18 09:42 |
| S10 6 | 707 | S105 or S100 or S91 or S93 or S95 or S98 or S86 or S87 or S85 or S89 or S88 | USPAT | OR | OFF | 2005/11/18 09:43 |
| S10 7 | 1977 | S83 not S106 | USPAT | OR | OFF | 2005/11/18 09:44 |
| S10 8 | 1975 | S107 and (process or method) | USPAT | OR | ON | 2005/11/18 09:45 |
| S10 9 | 643 | S108 and (optical or optics) | USPAT | OR | ON | 2005/11/18 09:45 |
| S11 0 | 526 | S109 and etch | USPAT | OR | ON | 2005/11/18 15:02 |
| S11 1 | 25715 | substrate and trench | USPAT | OR | OFF | 2005/11/18 15:03 |
| S11 2 | 15996 | S111 and @pd<"20030306" | USPAT | OR | OFF | 2005/11/18 15:03 |
| S11 3 | 14516 | S112 and silicon | USPAT | OR | OFF | 2005/11/18 15:03 |
| S11 4 | 3982 | S113 and light | USPAT | OR | OFF | 2005/11/18 15:03 |
| S11 5 | 1994 | S114 and (oxidiz\$3 or anneal\$4) | USPAT | OR | OFF | 2005/11/18 15:03 |
| S11 6 | 2792 | ((359/642,641,719,710,619,620) or (216/24)).CCLS. | USPAT; USOCR | OR | OFF | 2005/11/18 15:03 |
| S11 7 | 584 | S116 and etch\$3 and @pd<"20030306" | USPAT | OR | OFF | 2005/11/18 15:03 |
| S11 8 | 53 | S117 and ((anneal\$4 or oxidiz\$3)same substrate) | USPAT | OR | OFF | 2005/11/18 15:03 |
| S11 9 | 1 | S116 and PLZT and Sol-gel | USPAT | OR | OFF | 2005/11/18 15:03 |
| S12 0 | 0 | S116 and ("Blum et al.") | USPAT | OR | OFF | 2005/11/18 15:03 |

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| S12 1 | 41 | (US-4897846-\$ or US-5449626-\$ or US-5587335-\$ or US-5622634-\$ or US-5652817-\$ or US-5654831-\$ or US-5737300-\$ or US-6072620-\$ or US-6124974-\$ or US-6157429-\$ or US-6171885-\$ or US-6177236-\$ or US-6197503-\$ or US-6322936-\$ or US-6426166-\$ or US-6472324-\$ or US-6475836-\$ or US-6495813-\$ or US-6516114-\$ or US-6518640-\$ or US-6522794-\$ or US-6733955-\$ or US-RE37809-\$ or US-6517734-\$ or US-6482722-\$ or US-6469832-\$). did. or (US-6403393-\$ or US-6387284-\$ or US-6063299-\$ or US-5925262-\$ or US-5871653-\$ or US-5814237-\$ or US-5632908-\$ or US-5626772-\$ or US-5569355-\$ or US-5500916-\$ or US-5238877-\$ or US-5125946-\$ or US-5431775-\$ or US-5205904-\$ or US-4585299-\$). did. | USPAT | OR | OFF | 2005/11/18 15:03 |
| S12 2 | 1984 | (385/?).CCLS. | USPAT; USOCR | OR | OFF | 2005/11/18 15:03 |
| S12 3 | 4 | S122 and ((silicon adj dioxide) same oxidiz\$3) | USPAT | OR | OFF | 2005/11/18 15:03 |
| S12 4 | 210 | S122 and (silicon adj dioxide) | USPAT | OR | OFF | 2005/11/18 15:03 |
| S12 5 | 13 | S124 and oxidiz\$3 | USPAT | OR | OFF | 2005/11/18 15:03 |
| S12 6 | 3269 | (385/33,37).CCLS. | USPAT; USOCR | OR | OFF | 2005/11/18 15:03 |
| S12 7 | 43 | S126 and trench | USPAT | OR | OFF | 2005/11/18 15:03 |
| S12 8 | 5781 | (385/33,34,35,36,37,129,130,131,132).CCLS. | USPAT; USOCR | OR | OFF | 2005/11/18 15:03 |
| S12 9 | 165 | S128 and trench | USPAT | OR | OFF | 2005/11/18 15:03 |
| S13 0 | 34 | S129 and (oxidiz\$3 or anneal\$3) | USPAT | OR | OFF | 2005/11/18 15:03 |
| S13 1 | 27594 | ("385").CLAS. | USPAT; USOCR | OR | OFF | 2005/11/18 15:03 |
| S13 2 | 2 | S131 and (concave adj lens)and trench | USPAT | OR | OFF | 2005/11/18 15:03 |
| S13 3 | 646 | S131 and optic\$4 and trench\$2 | USPAT | OR | OFF | 2005/11/18 15:03 |
| S13 4 | 2792 | ((359/642,641,719,710,619,620) or (216/24)).CCLS. | USPAT; USOCR | OR | OFF | 2005/11/18 15:03 |
| S13 5 | 584 | S134 and etch\$3 and @pd<"20030306" | USPAT | OR | OFF | 2005/11/18 15:03 |

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|----------|------|--|-----------------|----|-----|------------------|
| S13 6 | 641 | S133 not S135 | USPAT | OR | OFF | 2005/11/18 15:03 |
| S13 7 | 18 | S136 and (out\$4 adj trench) | USPAT | OR | OFF | 2005/11/18 15:03 |
| S13 8 | 707 | S137 or S132 or S123 or S125 or S127 or S130 or S118 or S119 or S117 or S121 or S120 | USPAT | OR | OFF | 2005/11/18 15:03 |
| S13 9 | 1977 | S115 not S138 | USPAT | OR | OFF | 2005/11/18 15:03 |
| S14 0 | 1975 | S139 and (process or method) | USPAT | OR | ON | 2005/11/18 15:03 |
| S14 1 | 643 | S140 and (optical or optics) | USPAT | OR | ON | 2005/11/18 15:03 |
| S14 2 | 526 | S141 and etch | USPAT | OR | ON | 2005/11/18 15:03 |
| S14 3 | 279 | S142 and (isolat\$3 same trench) | USPAT | OR | ON | 2005/11/18 15:04 |
| S14 4 | 204 | S143 and (isolat\$3 near trench) | USPAT | OR | ON | 2005/11/18 15:08 |
| S14 5 | 248 | (process or method) and (cut\$4 near substrate) and optic\$4 and convex | USPAT | OR | ON | 2005/11/21 10:37 |
| S14 6 | 1 | ("5628917").PN. | USPAT; USOCR | OR | OFF | 2005/11/21 10:45 |
| S14 7 | 1 | S146 and ratio | USPAT | OR | OFF | 2005/11/21 10:45 |